

General

Title

Venous thromboembolism (VTE) prophylaxis: percentage of hospitalized patients at risk for VTE who have VTE education within 24 hours of admission that includes 1) VTE risk, 2) signs and symptoms, 3) early and frequent mobilization, and 4) clinically appropriate treatment/prophylaxis methods.

Source(s)

Jobin S, Kalliainen L, Adebayo L, Agarwal Z, Card R, Christie B, Haland T, Hartmark M, Johnson P, Kang M, Lindvall B, Mohsin S, Morton C. Venous thromboembolism prophylaxis. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2012 Nov. 51 p. [22 references]

Measure Domain

Primary Measure Domain

Clinical Quality Measures: Process

Secondary Measure Domain

Does not apply to this measure

Brief Abstract

Description

This measure is used to assess the percentage of hospitalized patients 18 years and older hospitalized for a medical condition or surgery at risk for venous thromboembolism (VTE) who have VTE education within 24 hours of admission that includes 1) VTE risk, 2) signs and symptoms, 3) early and frequent mobilization, and 4) clinically appropriate treatment/prophylaxis methods.

Rationale

The priority aim addressed by this measure is to increase the percentage of hospitalized patients 18 years of age and older at risk for venous thromboembolism (VTE) who have received education within 24 hours of admission into the inpatient care setting for VTE that includes VTE risk, signs and symptoms, early and frequent mobilization and clinically appropriate treatment/prophylaxis methods.

Evidence for Rationale

Jobin S, Kalliainen L, Adebayo L, Agarwal Z, Card R, Christie B, Haland T, Hartmark M, Johnson P, Kang M, Lindvall B, Mohsin S, Morton C. Venous thromboembolism prophylaxis. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2012 Nov. 51 p. [22 references]

Primary Health Components

Venous thromboembolism (VTE); patient education

Denominator Description

Number of adult patients who are hospitalized for a medical condition or surgery at risk for venous thromboembolism (see the related "Denominator Inclusions/Exclusions" field)

Numerator Description

Number of adult patients hospitalized for a medical condition or surgery at risk for venous thromboembolism (VTE) who have VTE education within 24 hours of admission that includes 1) VTE risk, 2) signs and symptoms, 3) early and frequent mobilization, and 4) clinically appropriate treatment/prophylaxis methods

Evidence Supporting the Measure

Type of Evidence Supporting the Criterion of Quality for the Measure

A clinical practice guideline or other peer-reviewed synthesis of the clinical research evidence

Additional Information Supporting Need for the Measure

Unspecified

Extent of Measure Testing

Unspecified

State of Use of the Measure

State of Use

Current routine use

Current Use

not defined yet

Application of the Measure in its Current Use

Measurement Setting

Hospital Inpatient

Professionals Involved in Delivery of Health Services

not defined yet

Least Aggregated Level of Services Delivery Addressed

Single Health Care Delivery or Public Health Organizations

Statement of Acceptable Minimum Sample Size

Unspecified

Target Population Age

Age greater than or equal to 18 years

Target Population Gender

Either male or female

National Strategy for Quality Improvement in Health Care

National Quality Strategy Aim

Better Care

National Quality Strategy Priority

Health and Well-being of Communities

Person- and Family-centered Care

Prevention and Treatment of Leading Causes of Mortality

Institute of Medicine (IOM) National Health Care Quality Report Categories

IOM Care Need

Getting Better

Staying Healthy

IOM Domain

Effectiveness

Patient-centeredness

Timeliness

Data Collection for the Measure

Case Finding Period

The time frame pertaining to data collection is monthly.

Denominator Sampling Frame

Patients associated with provider

Denominator (Index) Event or Characteristic

Clinical Condition

Institutionalization

Patient/Individual (Consumer) Characteristic

Denominator Time Window

not defined yet

Denominator Inclusions/Exclusions

Inclusions

Number of adult patients who are hospitalized for a medical condition or surgery at risk for venous thromboembolism

Population Definition: Patients 18 years of age and older.

Data Collection: From discharge records, a list of all adult patients hospitalized during the target period.

Exclusions

Unspecified

Exclusions/Exceptions

not defined yet

Numerator Inclusions/Exclusions

Inclusions

Number of adult patients hospitalized for a medical condition or surgery at risk for venous thromboembolism (VTE) who have VTE education within 24 hours of admission that includes 1) VTE risk, 2) signs and symptoms, 3) early and frequent mobilization, and 4) clinically appropriate treatment/prophylaxis methods

Exclusions

Unspecified

Numerator Search Strategy

Institutionalization

Data Source

Paper medical record

Type of Health State

Does not apply to this measure

Instruments Used and/or Associated with the Measure

Unspecified

Computation of the Measure

Measure Specifies Disaggregation

Does not apply to this measure

Scoring

Rate/Proportion

Interpretation of Score

Desired value is a higher score

Allowance for Patient or Population Factors

not defined yet

Standard of Comparison

not defined yet

Identifying Information

Original Title

Percentage of hospitalized patients at risk for venous thromboembolism who have venous thromboembolism education within 24 hours of admission that includes 1) venous thromboembolism risk, 2) signs and symptoms, 3) early and frequent mobilization, and 4) clinically appropriate treatment/prophylaxis methods.

Measure Collection Name

Venous Thromboembolism Prophylaxis

Submitter

Institute for Clinical Systems Improvement - Nonprofit Organization

Developer

Institute for Clinical Systems Improvement - Nonprofit Organization

Funding Source(s)

The Institute for Clinical Systems Improvement's (ICSI's) work is funded by the annual dues of the member medical groups and five sponsoring health plans in Minnesota and Wisconsin.

Composition of the Group that Developed the Measure

Work Group Members: Sherri Jobin, PharmD, BCPS (*Work Group Co-Leader*) (HealthEast Care System); Loree K. Kalliainen, MD, MA (*Work Group Co-Leader*) (HealthPartners Medical Group and Regions Hospital) (Plastic Surgeon); Randall Card, MD (Cuyuna Regional Medical Center) (Family Medicine); Beverly Christie, RN, DNP, PHN (Fairview Health Services) (Quality and Patient Safety); Martina E. Hartmark, MD (HealthPartners Medical Group and Regions Hospital) (Internal Medicine); Matthew Kang, MD (HealthPartners Medical Group and Regions Hospital) (Neurosurgery); Salma Mohsin, MD (HealthPartners Medical Group and Regions Hospital) (Hospitalist); Colleen Morton, MD (HealthPartners Medical Group and Regions Hospital) (Hematology); Ted Haland, MD (Lakeview Medical Center) (Hospitalist); Linda Adebayo, MSN, RN (Marshfield Clinic) (Internal Medicine, Institute for Quality, Innovation and Patient Safety); Zubin Agarwal, MD, MPH (Mayo Clinic) (Internal Medicine); Paul Johnson, MD (Park Nicollet HealthServices) (Orthopedic Surgery); Britta Lindvall, MHA (Institute for Clinical Systems Improvement) (Project Manager)

Financial Disclosures/Other Potential Conflicts of Interest

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Where there are work group members with identified potential conflicts, these are disclosed and

discussed at the initial work group meeting. These members are expected to recuse themselves from related discussions or authorship of related recommendations, as directed by the Conflict of Interest committee or requested by the work group.

The complete ICSI policy regarding Conflicts of Interest is available at the [ICSI Web site](#)

Disclosure of Potential Conflicts of Interest

Linda Adebayo, MSN, RN (Work Group Member)

Quality Improvement and Care Management, Marshfield Clinic

National, Regional, Local Committee Affiliations: None

Guideline-Related Activities: ICSI Prevention and Diagnosis of Obesity Guideline

Research Grants: None

Financial/Non-Financial Conflicts of Interest: None

Zubin Agarwal, MPH (Work Group Member)

Medical Student, Mayo Clinic

National, Regional, Local Committee Affiliations: None

Guideline-Related Activities: None

Research Grants: None

Financial/Non-Financial Conflicts of Interest: None

Randall Card, MD (Work Group Member)

Physician, Family Medicine, Cuyuna Regional Medical Group

National, Regional, Local Committee Affiliations: None

Guideline-Related Activities: ICSI Pre-Operative Evaluation Guideline

Research Grants: None

Financial/Non-Financial Conflicts of Interest: None

Beverly Christie, RN, DNP, PHN (Work Group Member)

Senior Director of Integrated Quality and Patient Safety, Fairview Health Services

National, Regional, Local Committee Affiliations: None

Guideline-Related Activities: None

Research Grants: None

Financial/Non-Financial Conflicts of Interest: None

Ted Haland, MD (Work Group Member)

Physician, Family Medicine, Stillwater Medical Group, HealthPartners Medical Group and Regions Hospital

National, Regional, Local Committee Affiliations: None

Guideline-Related Activities: None

Research Grants: None

Financial/Non-Financial Conflicts of Interest: None

Martina Hartmark, MD (Work Group Member)

Physician, Internal Medicine, HealthPartners Medical Group and Regions Hospital

National, Regional, Local Committee Affiliations: None

Guideline-Related Activities: None

Research Grants: None

Financial/Non-Financial Conflicts of Interest: None

Sherri Jobin, PharmD, BCPS (Work Group Co-Leader)

Clinical Pharmacy Coordinator, Pharmacotherapy, HealthEast Care System

National, Regional, Local Committee Affiliations: None

Guideline-Related Activities: None

Research Grants: None

Financial/Non-Financial Conflicts of Interest: Husband works for Abbott Labs, which does not make

pharmaceuticals for VTE prophylaxis

Paul Johnson, MD (Work Group Member)

Orthopedics, Park Nicollet Health Services

National, Regional, Local Committee Affiliations: None

Guideline-Related Activities: None

Research Grants: None

Financial/Non-Financial Conflicts of Interest: None

Loree Kalliainen, MD, FACS (Work Group Co-Leader)

Surgeon, Department of Plastic and Hand Surgery, HealthPartners Medical Group and Regions Hospital

National, Regional, Local Committee Affiliations: None

Guideline-Related Activities: Served on guidelines with American Society of Plastic Surgery and the American Academy of Orthopedic Surgery

Research Grants: Worked on behalf of her organization on grants with the Plastic Surgery Foundation and NIH

Financial/Non-Financial Conflicts of Interest: None

Matthew Kang, MD (Work Group Member)

Neurosurgeon, Neurosurgery, HealthPartners Medical Group and Regions Hospital

National, Regional, Local Committee Affiliations: None

Guideline-Related Activities: None

Research Grants: None

Financial/Non-Financial Conflicts of Interest: None

Colleen Morton, MD (Work Group Member)

Hematology/Oncology, HealthPartners Medical Group and Regions Hospital

National, Regional, Local Committee Affiliations: None

Guideline-Related Activities: ICSI Antithrombotic Therapy Supplement

Research Grants: None

Financial/Non-Financial Conflicts of Interest: None

Salma Mohsin, MD (Work Group Member)

Hospitalist, HealthPartners Medical Group and Regions Hospital

National, Regional, Local Committee Affiliations: None

Guideline-Related Activities: None

Research Grants: None

Financial/Non-Financial Conflicts of Interest: None

Adaptation

This measure was not adapted from another source.

Date of Most Current Version in NQMC

2012 Nov

Measure Maintenance

Scientific documents are revised every 12 to 24 months as indicated by changes in clinical practice and literature.

Date of Next Anticipated Revision

The next scheduled revision will occur within 12 months.

Measure Status

This is the current release of the measure.

This measure updates a previous version: Institute for Clinical Systems Improvement (ICSI). Venous thromboembolism prophylaxis. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2011 Sep. 47 p.

The measure developer reaffirmed the currency of this measure in January 2016.

Measure Availability

Source available from the [Institute for Clinical Systems Improvement \(ICSI\) Web site](#)

For more information, contact ICSI at 8009 34th Avenue South, Suite 1200, Bloomington, MN 55425; Phone: 952-814-7060; Fax: 952-858-9675; Web site: www.icsi.org ; E-mail: icsi.info@icsi.org.

NQMC Status

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Production

Source(s)

Jobin S, Kalliainen L, Adebayo L, Agarwal Z, Card R, Christie B, Haland T, Hartmark M, Johnson P, Kang

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